

★ Storage

Store at or below -20°C.

★ Contents

- Product Manual
- Bafilomycin A1, >98%

ALL PRODUCTS SOLD BY GenDEPOT ARE INTENDED FOR RESEARCH USE ONLY UNLESS OTHERWISE INDICATED. THIS PRODUCT IS NOT INTENDED FOR DIAGNOSTIC OR DRUG PURPOSE

★ Shipping Condition

Ship with ice pack.

★ Description

The bafilomycins are a family of macrolide antibiotic derived from *Streptomyces griseus*. These compounds all appear in the same fermentation and have quite similar biological activity. Bafilomycins are specific inhibitors of vacuolar-type H⁺-ATPase. The most used bafilomycin is bafilomycin A1. This is a useful tool as it can prevent the re-acidification of synaptic vesicles once they have undergone exocytosis. Bafilomycin has antibacterial, antifungal, antineoplastic, immunosuppressive activities. In addition, bafilomycin A1 has antimalarial activity. It has been shown to decrease multi-drug resistance. Bafilomycin B1 has been mentioned as a potential antioseoprotic agent in treating bone lytic diseases.

★ Solubility

Freely soluble in DMSO; may react with methanol or ethanol, so these solvents are not recommended for stock solutions; very poorly soluble in water; maximum solubility in plain water is estimated to be about 5-10 μM; buffers, serum, or other additives may increase or decrease the aqueous solubility.

★ M.W.

622.83

★ Molecular Formula

C₃₅H₅₈O₉

★ Related Products

Product Name	Cat No
Albumin, (IgG, Fatty Acid and Protease Free)	A0100
AffiSelect Cox IV Loading Control Antibody	A0017
AffiSelect GAPDH Loading Control Antibody, 100ug	A0039
AffiSelect Beta-Actin Loading Control Antibody, 100ug	A0042
AffiSelect α-Tubulin Loading Control Antibody, 100ug	A0050
NP-40 Lysis Buffer (2X)	N1200
Affiselect Total Protein Extraction Solution	A0710
RIPA Cell Lysis Buffer (1X) with EDTA	R4100
Xert Protease Inhibitor Cocktail Solution (100X)	P3100
Xpert Prestained Protein Marker (6.5-240 kDa)	P8502
Xpert 2 Prestained Protein Marker (10-240 kDa)	P8503
TBS Buffer, 20X, pH 7.4	T8054
West-Ez Stripping buffer	S2100
Goat anti-Rabbit IgG(H+L)-HRP, 1mg/ml	SA002
Rabbit anti-Goat IgG(H+L)-HRP, 1mg/ml	SA007
Tween 20, Molecular Biology Grade	T9100
West-Q Pico Dura ECL Solution	W3653
West-Q Femto ECL Solution	W3700
West-Ez Blocker, 5% Non-Fat Kit	W3710